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Assignee: Intel Corporation
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Amendments to the Claims

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer claims indicated as cancelled.

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) A method comprising:

   transmitting a channel switch request to a remote unit in communication with a media access controller on a first operating channel;

   receiving from the remote unit on the first operating channel a communication responsive to the channel switch request, said communication being a positive or a negative reply; and

   switching a the remote unit in communication with a the media access controller from a the first operating channel to a second operating channel, wherein communication between said remote unit and said media access controller is substantially undisrupted.

10. (Cancelled)

11. (Currently Amended) The method of claim ~~10~~ 9, wherein transmitting a channel switch request comprises transmitting a parameter relating to a mode of communication between said media access controller and said remote unit.

12. (Currently Amended) The method of claim ~~10~~ 9, wherein transmitting a channel switch request comprises transmitting a parameter relating to said second operating channel.

13. (Currently Amended) The method of claim ~~10~~ 9, wherein transmitting a channel switch request comprises transmitting a parameter relating to a counter.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) The method of claim ~~14~~ 9, wherein ~~receiving~~ said communication responsive to ~~said~~ the channel switch request comprises receiving a request for a different channel.

18. (Original) The method of claim 9, wherein switching said remote unit comprises switching based on a parameter relating to a load of remote units communicating with said media access controller on at least one of said first and second channels.

19. (Original) The method of claim 18, wherein switching comprises switching communication between said remote unit and said media access controller from said first channel to said second channel if a load remote units communicating with said media access controller on said first channel is greater than a load of remote units communicating with said media access controller on said second channel.

20. (Original) The method of claim 9, wherein switching said remote unit comprises switching based on a parameter relating to deterioration in a signal transmitted between said media access controller and said remote unit.

21. (Currently Amended) A program storage device having instructions readable by a machine that when executed by the machine result in:

transmitting a channel switch request to a remote unit in communication with a media access controller on a first operating channel;

receiving from the remote unit on the first operating channel a communication responsive to the channel switch request, said communication being a positive or a negative reply; and

switching ~~a~~ the remote unit in communication with ~~a~~ the media access controller from ~~a~~ the first operating channel to a second operating channel, wherein communication between said remote unit and said media access controller is substantially undisrupted.

22. (Cancelled)

23. (Currently Amended) The program storage device of claim ~~22~~ 21, wherein said instructions result in transmitting a parameter relating to a mode of communication between said media access controller and said remote unit.

24. (Currently Amended) The program storage device of claim ~~22~~ 21, wherein said instructions result in transmitting a parameter relating to said second operating channel.

25. (Currently Amended) The program storage device of claim ~~22~~ 21, wherein said instructions result in transmitting a parameter relating to a counter.

26. (Original) The program storage device of claim 21, wherein said instructions result in switching based on a parameter related to a load of remote units communicating with said media access controller on at least one of said first and second channels.

27. (Currently Amended) The program storage device of claim 26, wherein said instructions result in switching communication between said remote unit and said media access controller from said first channel to said second channel if a load of remote units communicating with said media access controller on said first channel is greater than a load of remote units communicating with said media access controller on said second channel.

28. (Original) The program storage device of claim 21, wherein said instructions result in switching based on a parameter relating to deterioration in a signal transmitted between said media access controller and said remote unit.

29. (Currently Amended) A system comprising:

an access point able to transmit data to a plurality of remote units on a plurality of operating channels; and

a plurality of remote units able to receive said data,

wherein said access point is able to transmit a channel switch request to a remote unit in communication with the access point on a first operating channel; to receive from the remote unit on the first operating channel a communication responsive to the channel switch request, said communication being a positive or a negative reply; and to switch ~~one of said plurality of~~ the remote units from ~~a~~ the first operating channel to a second operating channel substantially without disrupting communication between said access point and said remote unit.

30. (Original) The system of claim 29, wherein said access point comprises:

a media access controller; and

a plurality of transceivers operably connected to said media access controller to transmit data to said remote units.

31. (Original) The system of claim 30, wherein said access point comprises a processor to provide to said media access controller data for transmission to said remote units.

32. (Original) The system of claim 29, wherein said access point is able to switch one of said plurality of remote units from a first operating channel to a second operating channel based on a parameter related to a load of remote units communicating with said access point on at least one of said first and second channels.

33. (Original) The system of claim 29, wherein said access point is able to switch one of said plurality of remote units from a first operating channel to a second operating channel based on a parameter related to deterioration of a signal transmitted between said media access controller and said remote unit.